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P/2292-89

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

New York, New York

Woo Young Lee et al.

Date: January 26, 2005

Serial No.: 10/801,744

Group Art Unit: 2811

Filed: March 15, 2004

Examiner: T. Dickey

For: HYBRID FERROMAGNET/SEMICONDUCTOR SPIN DEVICE AND  
FABRICATION METHOD THEREOF

Commissioner for Patents  
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SUBMISSION

Sir:

Submitted herewith is a copy of a search report issued by a patent searching authority other than the PTO and the cited art together with a form listing the same for the convenience of the Examiner.

I certify that each item of information contained in this Submission was cited in a communication from a foreign patent office in a counterpart foreign application not more than 3 months prior to the filing of this Submission.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents P.O. Box 1450, Alexandria, VA 22313-1450, on January 26, 2005

Respectfully submitted,

Max Moskowitz

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Name of applicant, assignee or  
Registered Representative

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Signature  
January 26, 2005  
\_\_\_\_\_  
Date of Signature

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Enclosures

<b>APPLICANT'S ART CITATION</b> (Use several sheets if necessary)		Application <b>10/801,744</b>		OFGS File No. <b>P/2292-89</b>	
		Applicant <b>Woo Young Lee et al.</b>			
		Filing Date <b>March 15, 2004</b>		Group Art Unit <b>2811</b>	

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U.S. PATENT DOCUMENTS (not submitted for applications filed after 6/30/03)						
Examiner Initial	Document Number	Date MM-YYYY	Name	Class	Sub-class	Filing Date If Appropriate
	US-6,069,820	05-2000	Inomata et al.	365	171	
	US-					
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FOREIGN PATENT DOCUMENTS							
	Document Number	Date MM-YYYY	Country	Class	Sub-class	Translation	
						Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	Y.Q. Jia, et al., <i>Spin-Value Effects in Nickel/Silicon/Nickel Junctions</i> , IEEE Transactions of Magnetics, Vol. 32 (5), September 1996, pp. 4707-4709.
	Supriyo Datta et al., <i>Electronic analog of the electro-optic modulator</i> , Appl. Phys. Lett. Vol. 56(7), 12 February 1990, pp. 665-667.
	K.P. Kämper, et al., <i>CrO<sub>2</sub> - A New Half Metallic Ferromagnet?</i> , Physical Review Letters, Vol. 59(24), 14 December 1987, pp. 2788-2791.
	Manish Sharma et al., <i>Spin-dependent tunneling junctions with AlN and AlON barriers</i> , Appl. Phys. Lett. 77(14), 2 October 2000, pp. 2219-2221.
	S.J. Pearton et al., <i>Advances in wide bandgap materials for semiconductor spintronics</i> , Materials Science and Engineering R 40(2003) 137-168.
	International Search Report dated December 13, 2004.
<div style="display: flex; justify-content: space-between;"> <span>Examiner</span> <span>Date Considered</span> </div>	

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.